



**UNITED STATES PATENT OFFICE.**

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**Floss - Dispense Cap**

**Background of the Invention:**

This invention relates to improvements in floss dispensing devices, and more particularly to a cap for toothpaste containers, serving as a dispenser with special prepared thread or yarn (pH floss and herbal coated yarn known as dental floss) which is used for removal of food particles in between the teeth.

The use of the dental floss dispensers is known in a prior art. The dispensers designs are usual and their configurations are common, the following are found examples:

U.S. Pat. No. 5,076,302 to Chari discloses an apparatus for and method of dispensing dental floss.

U.S. Pat. No. 4,428,389 to Sanchez Cordero discloses a dental floss dispenser adapter to the cap of the common toothpaste.

U.S. Pat. No. Des. 336,782 to Vela et al. Discloses a combined toothbrush, toothpaste dispenser and dental floss holder unit and cover therefor.

U.S. Pat. No. 4,919,156 to Gipson discloses a combination dental device.

U.S. Pat. No. 4,957,125 to Yaneza discloses a toothbrushing assembly.

U.S. Pat. No. 4,827,951 to Grussmark discloses a dental floss and toothpaste container.

The object of the invention is to provide an easy and convenient means of dispensing the floss, along with an adjustable cap for every tube, for fast and natural all-in-one cleaning of the mouth. The object would promote the more general use of the both, floss and paste for every day hygiene.

The primary features of the invention are disclosed in the enclosed drawings, in which -

Figure 1 is a view from a side, of a regular tube of tooth paste with the cap applied;

Figure 2 is an enlarged, detailed view of the cap in cross section; and

Figure 3 is the end view of the cap.

The preferable design of the cap would be hallow and round-body shape, of either a metal suitable for the purpose or plastic. The external design/shape may vary to accommodate to any degree of ornamentation desired.

In general, the cap is made up of internally threaded base portion which screws onto the tube of paste. Above the base portion is a hallow receptacle, with the walls converging to an apex and forming a cavity in which a spool of floss is enclosed. At the apex of the receptacle is a small opening through which the free end of the floss is to be withdrawn as much as needed.

The spool should consist of a circular base plate, in which is mounted a spindle with floss compactly wound around, in such way that it'll be easy and simple to draw floss through the opening.